

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A process for producing glucose-1-phosphate, comprising the steps of culturing bacteria of the genus *Corynebacterium* in a medium containing a saccharide and at least 1 mM of phosphoric acid or a derivative or salt thereof, and collecting glucose-1-phosphate produced and accumulated in the medium.

Claim 2 (Original): The process according to Claim 1, wherein the bacteria of the genus *Corynebacterium* are selected from *Corynebacterium callunae*, *Corynebacterium glutamicum* and *Corynebacterium vitaeruminis*.

Claim 3 (Original): The process according to Claim 2, wherein the bacterial of the genus *Corynebacterium* are selected from *Corynebacterium callunae* IFO 15359, *Corynebacterium glutamicum* JCM 1321 and *Corynebacterium vitaeruminis* JCM 1323 strains.

Claim 4 (Currently Amended): The process according to ~~any one of Claims 1 to 3~~ Claim 1, wherein the saccharide is at least one selected from monosaccharides, disaccharides, oligosaccharides and polysaccharides containing glucose as a constitutive saccharide.

Claim 5 (Currently Amended): The process according to ~~any one of Claims 1 to 4~~ Claim 1, wherein the concentration of phosphoric acid, or the derivative or salt thereof is in the range of from 1 mM to 1 M.

Claim 6 (New): The process according to Claim 1, wherein the saccharide is an α -1,4-glucane-containing saccharide.

Claim 7 (New): The process according to Claim 7, wherein the α -1,4-glucane-containing saccharide is selected from the group consisting of starch, amylose, dextrin, maltose, maltooligosaccharides, amylopectin, and glycogen.

Claim 8 (New): The process according to Claim 1, wherein the phosphoric acid or a derivative or salt thereof is selected from the group consisting of metaphosphoric acid, tripolyphosphoric acid, polyphosphoric acid, diphosphoric acid, and polymetaphosphoric acid, and phosphates or salts thereof.

Claim 9 (New): The process according to Claim 1, wherein the phosphoric acid is in a salt form selected from a sodium salt or a potassium salt.

Claim 10 (New): The process according to Claim 9, wherein the salt form of the phosphoric acid is selected from the group consisting of monopotassium phosphate, dipotassium phosphate, monosodium phosphate, and disodium phosphate.

Claim 11 (New): The process according to Claim 1, wherein the concentration of phosphoric acid, or the derivative or salt thereof is in the range of from 5 mM to 500 mM.

Claim 12 (New): The process according to Claim 1, wherein the concentration of phosphoric acid, or the derivative or salt thereof is in the range of from 100 mM to 500 mM.

Claim 13 (New): The process according to Claim 1, wherein said medium further comprises at least one additive selected from the group consisting of a carbon source, a nitrogen source, a metal mineral, and a vitamin.

Claim 14 (New): The process according to Claim 1, wherein said medium further comprises acetate.

Claim 15 (New): The process according to Claim 1, wherein said medium further comprises at least one nitrogen source selected from the group consisting of ammonia, ammonium chloride, ammonium sulfate, ammonium nitrate, ammonium carbonate, ammonium phosphate, ammonium acetate, urea, peptone, meat extract, yeast extract, hydrolyzate of casein, glycine, glutamic acid, alanine, and methionine.

Claim 16 (New): The process according to Claim 1, wherein said medium further comprises at least one metal mineral selected from the group consisting of sodium chloride, ferrous sulfate, magnesium sulfate, manganese sulfate, zinc sulfate, and calcium carbonate.

Claim 17 (New): The process according to Claim 1, wherein said culturing is for 12 to 96 hours at a pH of 5 to 8 and at a temperature of 25 to 40°C.

Claim 18 (New): The process according to Claim 1, wherein said culturing is a method selected from the group consisting of resting-bacterial reaction, immobilized bacterial reaction, shaking culture, and culture by fermentor.

Claim 19 (New) The process according to Claim 1, wherein said collected comprises a method selected from the group consisting of centrifugation, ultrafiltration, ion exchanging, reverse osmosis, electrodialysis, salting out, and crystallization.

SUPPORT FOR THE AMENDMENTS

Claims 4-5 have been amended.

Claims 6-19 have been added.

The amendment of Claims 4-5 are supported by the corresponding claims as previously presented and serve to remove multiple dependencies. New Claims 6-19 are supported by the specification as originally filed at page 4, line 1 to page 6, line 14.

The amendment to the specification on page 1 serves to correct an inadvertent typographical error. Applicants submit that the error is clear, as is its solution.

No new matter has been added.